

3/20/11
1/1/11

Oshkosh Logistics Management and Public Relations Responsibilities
At NASA Langley

Danielle Beck

Margaret Hunt, Mentor

NASA Langley Research Center
External Affairs, Office of Public Service

ABSTRACT

The central focus of my study for the summer of 1995 was to provide logistical support to Margaret Hunt, the logistics manager of the OSHKOSH airshow. In this capacity responsibilities included making arrangements for participants from NASA centers and SBIR companies for their stay in Wisconsin, while visiting the airshow, and managing staff for exhibits and the aerospace theater. A secondary purpose was to serve in other public service capacities by writing news releases, fact sheets, announcements, and articles for the Researcher News.

BODY

The primary function of this internship was to provide logistical support to Margaret Hunt, logistics manager of the OSHKOSH airshow. Secondary functions included serving other public relations purposes such as preparing news releases, fact sheets, announcements, and articles for the Researcher News. Various assignments were given during this summer session and summaries of all activities will be provided below. For a comprehensive overview see attached summer calendars.

OSHKOSH AIRSHOW

The Experimental Aircraft Association Fly-In Convention and Sport Aviation Exhibition, also fondly known by many as the Oshkosh Airshow, provides a great opportunity for NASA to present its work in aeronautics. This is where a logistics manager becomes necessary. Approximately 120+ participants from NASA centers and SBIR companies needed arrangements to be made for their participation in the airshow. The efforts to coordinate these participants, and their numerous individual requests, was facilitated by the logistics manager. As the assistant logistics manager, it was my duty to keep a majority of these details in order. It was my responsibility to serve as a liaison to participants and NASA Langley. I oversaw hotel reservations, rental car arrangements, orders for NASA attire and other details regarding the time to be spent at Oshkosh. It was also my responsibility to manipulate exhibit floor staffing and aerospace theater staffing schedules for NASA exhibitors.

RESEARCHER NEWS

Submitting articles to the Researcher News was a secondary function of this internship position. Included in Volume 9, Issue 15, July 28, 1995, is an article about the astronaut training selection process and training programs; and an announcement for the Virginia Air and Space Center special promotion (see attached). In the upcoming edition, articles about the Poquoson Odyssey of the Mind Team, the NACA Airfoil Report, and the Space Flight Manifest are scheduled to appear. Articles still underway include pieces on the 7- X 10- foot conference room, the availability of the Newsroom, the Grand Opening of the Pearl I. Young Theater, the 10th anniversary of the Childcare Development Center, and a piece on the Transonic Dynamic Tunnel. Each article requires research, interviews, and patience as rewrites are always a necessity.

EXCURSIONS

Another facet of this position was the opportunity to take excursions outside of the office. One such opportunity was assisting the current astronaut candidate class when

they came to tour Langley. It was a great honor to meet with the astronauts and to speak with them one on one. On another occasion, I was given the opportunity to shadow Jim Schultz, the science and technology reporter for the Virginian-Pilot. He showed us around the newsroom and introduced us to numerous individuals who work within the field of journalism. Following a news crew around the base as they performed a live interview was yet another adventure. The highlight of my outside excursions was a trip to Washington, D.C., to visit NASA headquarters. The department of Public Affairs, and its many facets was a prime target for this visit. It was interesting to see the operations of this major center and speak with the people working within the system. I also had a chance to meet with personnel from the Education Department, who gave advice for future career and educational plans.

WRITING FOR PUBLIC RELATIONS

As need arose, I also completed various pieces of public relations related writing. These included but were not limited to, a fact sheet on the MEEP/Mir Shuttle Payload, monthly story opportunities releases (see attached), announcements for the Virginia Air and Space Center and the Pearl I. Young Theater opening (see attached). All gave me practical experience in preparing and writing these necessary types of writing.

CONCLUSION

Time spent at Langley was very beneficial as it has aided in the creation of numerous skills needed for the professional world. The opportunity to interface with many individuals and heed the advice they provided was priceless. My work with the Oshkosh logistics was challenging, yet very enjoyable as I love to manipulate details. The opportunity to practice and polish my writing skills will be a benefit for a lifetime.

Assignments/ Calendar for Danielle Beck

WEEK ONE/ June 19- 23

19- Lecture 10:00
OSHKOSH Logistics

WEEK TWO/ June 26-30

26- Lecture 10:00
29- AP Style Workshop
9:00-11:00
Article: NACA Airfoil Report
Announcement VASC promotion
OSHKOSH Logistics

WEEK THREE/ July 5-7 (Holiday)

5- *RN Layout Training*
OSHKOSH Logistics

WEEK FOUR/ July 10-14

10- Lecture 10:00
11- Astronaut Tour
14- Career Seminar
Article: Astronaut Candidate Tour
OSHKOSH Logistics

WEEK FIVE/ July 17-21

18- *RN Deadline Due: Astronaut Candidate Tour, NACA Airfoil*
19- OSHKOSH Meeting
20- Headquarters Tour
OSHKOSH Logistics

WEEK SIX/ July 24-28

24- Lecture 10:00/ Group Photo
25- Story Opps Due
27- Banquet
OSHKOSH Logistics
Article: Odyssey of the Mind, LaRC This Week
Announcement: Pearl I. Young Theater Opening/ LARC This Week

WEEK SEVEN/ July 31- Aug. 4 OSHKOSH AIR SHOW

31- Lecture 9:00
31- Tour of Virginia Pilot
31- Send Story Opps
1- *RN Deadline Due: Odyssey of the Mind, Space Flight Manifest*
4- Experiment/ Career Seminar
Article: Space Flight Manifest

WEEK EIGHT/ Aug. 7-11

8- Report to Office of Education due
11- LARSS Check out
Fact Sheet/ Shuttle Payload

WEEK NINE/ Aug. 14-18

- 15- *RN Deadline Due: Transonic Dynamic Tunnel, 7 -x 10- foot completed, Childcare*
- 16- Story Opps Due

WEEK TEN Aug. 21-25

- 22- Pearl I. Young Theater Opening
- 25- *RN Deadline Due: Pearl I. Young Theater*
- 25- Last Day
- 26- Fly to Phoenix 9:00 AM
- 27- Fly home to Utah 6:47 am
- 28- Send Story Opps

AUGUST

- 1 **RN Deadline** Odyssey of the Mind, Space Flight Manifest
 - Work on Report
 - Make contact with Shuttle Payload
- 2 Make contact with Childcare/ Tour Wind Tunnel with Child Care
- 3 Work on Report/ Visit Exhibits
- 4 Experiment 10-11/ Career Seminar
 - Contact Keith re: Story Opps

- 7 Send Story Opps Reminder
 - Contact Keith re: Sept Story Opps
 - SS Fact Sheet
- 8 LARSS Report Due
 - Write Child Care
- 9 Write 7X10 Conference Room
- 10 Work on Story Opps
 - Aircraft Grant News Release
- 11 Send Story Opps Reminder
 - Write Transonic Dynamic Tunnel

- 14 Finish Articles
 - Contact Keith re: Sept Story Opps
- 15 **RN Deadline** Transonic Dynamic Tunnel, 7x10 Conference Room, Childcare
- 16 September Story Opps Due
- 17 SS Fact Sheet
- 18 Write Newsroom Completed

- 21
- 22 Pearl I. Young Theater Grand Opening/ Write Article
- 23
- 24 Finish Payload Fact Sheet
- 25 **RN Deadline** Pearl I. Young Theater Opening, Newsroom Completed

NASA News

National Aeronautics and
Space Administration

Langley Research Center
Hampton, Virginia 23681-0001

For Release: Immediately

Release No. 95-071

NASA Langley Story Opportunities-August

GENERAL AVIATION IS GIVEN NEW LIFE. A network of partnerships between government, industries, universities and nonprofit organizations is breathing new life into general aviation. The official signing ceremony of the AGATE (Advanced General Aviation Transport Experiments) Consortium took place on July 29 in Oshkosh, Wis., home of the Experimental Aircraft Association (EAA) annual Fly-in Convention and Sport Aviation Exhibition. AGATE is a multifaceted organization formed by NASA, FAA and the general aviation industry aimed at increasing revenue and creating jobs. PUBLIC AFFAIRS CONTACT: Keith Henry (804) 864-6124

10,000 PAGES ALL ON ONE LITTLE DISC. "Legacy," a joint project between the NASA General Aviation Program Office and the NASA Langley Technical Library, is a CD-ROM program for anyone with an interest in the NACA's and NASA's contribution to aviation. It is comprised of the agency's most requested historical and current technical reports on general aviation. Hard copies would cost as much as \$3,000, yet the CD-ROM is available for \$75 plus \$6 for shipping and handling. The disc is available through the National Technical Information Service (NTIS).

NTIS CONTACT: (703) 487-4650

NASA LANGLEY TECHNICAL LIBRARY CONTACT: Susan Adkins (804) 864-2390

*****NASA/FAA CHALLENGE STUDENTS TO INNOVATE IN 1996.** NASA and the FAA are sponsoring a general aviation design competition for aeronautical and engineering students. The competition challenges student teams to develop small aircraft transportation system innovations in various technical areas. The purpose of the competition is to encourage involvement of all members of the aviation community. Design packages are due May 6, 1996, and the winners will be presented in July 1996. Copies of competition guidelines can be obtained from the Virginia Space Grant Consortium.

VIRGINIA SPACE GRANT CONSORTIUM: (804) 865-0726

PUBLIC AFFAIRS CONTACT: Keith Henry (804) 864-6124

*****DESIGN COMPETITION WINNERS ANNOUNCED.** A student team from three Kansas universities -- the University of Kansas, Kansas State and Wichita State -- introduced an operator-friendly aircraft design earning them first place in the first annual NASA/FAA National General Aviation Design Competition. Embry-Riddle Aeronautical University, Daytona, Fla., took second; Mississippi State University took third; and a design group representing the University of Virginia, the Pratt Institute at Brooklyn and Mallen Research Corp. of Charlottesville took an honorable mention. PUBLIC AFFAIRS CONTACT: Keith Henry (804) 864-6124

AUGUST STORY OPPORTUNITIES/2

REMINDER: 'SEAFOOD FARMING' TALK AUG. 1. Michael J. Oesterling, an aquaculture specialist, will speak Aug. 1 at NASA Langley on "Virginia Marine Aquaculture: Research and Product Development." He will trace the development of Virginia's marine aquaculture industry and methods of production. Media are invited to the 2 p.m. talk and to a media briefing at 1:15 p.m. at the H.J.E. Reid Conference Center. Will be repeated at Virginia Air & Space Center, Hampton, at 7:30 p.m.
PUBLIC AFFAIRS CONTACT: Catherine E. Watson (804) 864-6122/3

AERONAUTICS IN THE 21ST CENTURY. James A. Blackwell, the president of the Aeronautics Sector of Lockheed Martin, will share his views of the future of aeronautics with NASA Langley employees at 2 p.m., August 15 in the H.J.E. Reid Conference Center. A media briefing will be held in the Wythe Room at 1:15. Blackwell will discuss the effects of international competition on the aerospace industry and the importance of a strong partnership between government and industry to maintain U.S. technological leadership. Interviews available.
PUBLIC AFFAIRS CONTACT: Catherine E. Watson (804) 864-6122

MICROGRAVITY EFFECTS ON SPACE STRUCTURES. The Joint Dynamics Experiment (JDX), a cooperative effort between NASA Langley and Utah State University, will be flown aboard Endeavour (STS-69) in early August. The experiment is designed to study how well joints on space structures dissipate vibrations. The data is important for building the International Space Station. Interviews, photos available.
PUBLIC AFFAIRS CONTACT: Catherine E. Watson (804) 864-6122

STUDYING THE EFFECTS OF BIOMASS BURNING. Scientists from NASA Langley will spend six weeks in central Brazil studying the atmospheric effects of biomass burning. The field experiment, which begins Aug. 16, will involve coordinated aircraft, surface and satellite measurements of smoke characteristics and the interaction of the smoke with clouds. More than 80 researchers from four NASA centers, two U.S. agencies, five U.S. universities, 12 Brazilian agencies and six Brazilian universities will participate. The experiment, called SCAR-B (Smoke, Clouds, and Radiation - Brazil), is managed by NASA Langley. Interviews, photos available.
PUBLIC AFFAIRS CONTACT: Catherine E. Watson (804) 864-6122

RESOURCE PHOTOGRAPHS:

REUSABLE LAUNCH VEHICLES. Color 8 x10 photos are available of two reusable launch vehicle (RLV) models being tested in the 31-Inch Mach 10 Hypersonic Wind Tunnel at NASA Langley. The RLV program calls for development of one or more launch vehicles that could deliver payloads and people to space, fly back to Earth, and be used again. Marshall Space Flight Center in Huntsville, Ala., is host center for the industry-led RLV effort.
PUBLIC AFFAIRS CONTACT: Michael Finneran (804) 864-8150.

LOOKING AHEAD:

NASA LANGLEY GOES TO THE FAIR. Look for NASA Langley's exhibit at the Virginia State Fair, Richmond, from Sept. 21 to Oct. 1.
PUBLIC AFFAIRS CONTACT: Keith Henry (804) 864-6124

- End -

“So, You Want to Be an Astronaut”

BY DANIELLE BECK

For many, the dream of becoming an astronaut is a far-fetched idea, a career for someone else. For others, the fantasy of having their heads in the stars can become a reality. The astronaut candidate program, operated by Johnson Space Center in Houston, Texas, is ongoing and accepts applications from qualified individuals, with both civilian and military backgrounds. Qualifications for this program are numerous, yet they are achievable. All applicants must be citizens of the United States; other requirements vary with the different positions.

Mission Specialist

Mission-specialist astronauts are an integral part of the crew. These individuals work closely with all portions of crew life aboard the shuttle including payload activities, experiments and monitoring the use of consumable items, such as food and fuel.

A mission specialist is not required to meet physical requirements as stringent as the pilot candidates; yet they too must meet visual standards and height restrictions of between 60 inches and 76 inches. Academic standards also must be met. A bachelor's degree in mathematics, biological or physical science, or engineering is required with an additional three years of related and progressively responsible professional experience. An advanced degree may be substituted for

Pilot

Pilot astronauts serve as commanders or pilots on space shuttle missions. Basic qualifications for pilot astronauts include a bachelor's degree in biological or physical science, engineering, or mathematics. A graduate degree is desired, but not necessary. The applicant must have accrued 1,000 hours of flight time in a jet aircraft; experience as a test pilot is also desirable. Aca-

SPACE CAMP

For those of you who still have the burning desire to try your hand at the astronaut career, but do not meet the qualifications, SPACE CAMP may be the answer for you. Facilities in Alabama and Florida

host numerous programs for astronaut hopefuls of all ages. In addition to youth camps, sessions are offered for educators; adults of all ages and special parent and child camps are available. For more information, write the U.S. Space and Rocket Center, One Tranquility Base, Huntsville, Ala. 35807, or call 1 (800) 63-SPACE.



The candidate class continued its look at Langley in the atmospheric sciences facility. Projects using lidar (laser radar) were discussed. Langley's Lidar In-Space Technology Experiment (LITE) takes readings from space to help predict weather patterns on Earth. Other Lidar experiments are flown on airplanes and use a laser to measure humidity and other variables in a "slice" of air. The astronaut candidates were interested in this type of technology because of its relation to their basic training curriculum in Earth science.

Other technologies related to aerospace research were demonstrated to the candidates, including the crack-finder and the thermal bond tester. The class especially seemed to enjoy hearing about the practical applications of the two systems.

One of the final stops for the visitors was at the lunar-landing simulation site where Langley innovations helped put a man on the moon. This gave the astronaut candidates a feel for Langley's history and a look at past events that have shaped the U.S. space program.

Training

After meeting the qualifications for the astronaut program, applications are reviewed and selections are made for the next group of astronauts. Upon selection, the astronaut candidates must complete a year-long training process.

Johnson Space Center is the host for astronaut-training facilities. The training process is both academic and hands-on to ensure complete knowledge of shuttle systems. The hands-on training for the pilots and

part or all of the experience requirement.

Payload Specialist

A payload specialist is a professional in the physical or life sciences or a technician skilled in operating shuttle-unique equipment. Payload specialists are not required to be U.S. citizens but they must meet the standards for health and physical fitness. These individuals are also required to complete a comprehensive flight-training course to familiarize themselves with shuttle systems.

See Astronaut on Page 4

Astronaut

Continued from page 5

mission specialists includes flying T-38 high-performance jets, while others familiarize themselves with other high-performance jets. All candidates learn to adapt to the weightlessness of space by training in a "neutral buoyancy" water tank, which allows for a longer training session. The sensation of weightlessness can also be accomplished by a modified KC-135 set on a parabolic course, during which the aircraft is able to create up to 30 seconds of weightlessness. Flight simulators also allow for a type of hands-on training in the area of shuttle systems.

Following the full year of training, the astronauts complete advanced training, both system-related and phase-related. System-related train-



ing is designed to teach the astronaut about what it is like to live and work in space, yet it is not mission-related. Phase-related training provides the astronauts with the necessary skill for a specific mission.

Information

Consult the Johnson Space Center Home Page on the Internet to investigate your questions about the astronaut program. For an application, call the Astronaut Selection Office at 1 (713) 483-5907.

Danielle Beck is a 1995 LARSS participant.

Pearl L. Young Theater Grand Opening!—The Federal Women's Program Committee would like to invite NASA employees and contractors to the Pearl L. Young Theater Ribbon Cutting Ceremony and Open House, 9:30 - 10:00 a.m., August 22, 1995. The Center Director will be joined by Hewitt and Viola Phillips, a close friend and co-worker of Pearl Young, who will speak about her time with Young at Langley. Following the ceremony, there will be refreshments and a showing of original NASA footage titled "Apollo 13—Houston, We Have a Problem." The building will remain open until 3 p.m. for employees to visit the theater. NASA employees may charge time to JO AS267. If you have any questions, please contact, Patsy Campbell, 43291.

***Sample Announcements

***Continuation of Astronaut Article

Free Admission

The Virginia Air and Space Center, Langley's Visitor Center, is offering a special promotion for NASA active civil service employees and on-site contractors with photo identification badges.

Throughout the summer months of July to September, free admission to exhibits will be given to civil service employees and contractors who present NASA photo identification badges.

Accompanying family members will be admitted to exhibits at the discounted rate.

In addition, the Virginia Air and Space Center is offering a special promotion on annual family memberships. From July 1995 to June 1996, civil service employees and on-site contractors are entitled to receive a 20-percent discount on family memberships which includes:

- Free exhibit admission *
- IMAX discounts *
- 10-percent gift-store discount *
- Quarterly newsletter *
- Invitations to exhibit and film openings *
- Various discounts and coupons provided by local merchants and attractions*
- Discounts on camps and other activities *



Virginia Air and Space Center
Hampton Roads History Center

SPECIAL BONUS FOR NEW MEMBERS

As of July 1, free Apollo 13 gifts such as tee shirts, caps and books will be available while supplies last.

For information and membership fees, call 727-0900.

